

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005152

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N15/09, C07K16/28, C07K16/46, A61P35/00, A61P37/02,
A61P43/00, A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N15/09, C07K16/28, C07K16/46, A61P35/00, A61P37/02,
A61P43/00, A61K39/395

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MEDLINE, BIOSIS/WPI (DIALOG), SwissProt/PIR/GeneSeq, Genbank/EMBL/DDBJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Hudson P.J. et al., High avidity scFv multimers; diabodies and triabodies, J.Immunol.Methods, 1999, Vol.231, pages 177 to 189	1-14
Y	Kortt A.A. et al., Dimeric and trimeric anti bodies: high avidity scFvs for cancer targeting, Biomol.Eng., 2001, Vol.18, pages 95 to 108	1-14
Y	Xiong D. et al., Efficient inhibition of human B-cell lymphoma xenografts with an anti-CD20 x anti-CD3 bispecific diabody, Cancer Lett., 2002, Vol.177, pages 29 to 39	1-14

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 05 July, 2004 (05.07.04)	Date of mailing of the international search report 20 July, 2004 (20.07.04)
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer
Faxsimile No.	Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MATSUOKA S. et al., A novel type of cell death of lymphocytes induced by a monoclonal antibody without participation of complement, J.Exp.Med., 1995, Vol.181, pages 2007 to 2015	1-14
Y	Fayen J. et al., Negative signaling by anti-HLA class I antibodies is dependent upon two triggering events, Int.Immunol., 1998, Vol.10, pages 1347 to 1358	1-14
Y	Woodle E.S. et al., Anti-human class I MHC antibodies induce apoptosis by a pathway that is distinct from the Fas antigen-mediated pathway, J.Immunol., 1997, Vol.158, pages 2156 to 2164	1-14
Y	Tahtis k. et al., Biodistribution properties of (111)indium-labeled C-functionalized trans-cyclohexyl diethylenetriaminepentaacetic acid humanized 3S193 diabody and F(ab') ⁽²⁾ , constructs in a breast carcinoma xenograft model, Clin.Cancer Res., 2001, Vol.7, pages 1061 to 1072	1-14
Y	Rossi E.A. et al., Development of new multivalent-bispecific agents for pretargeting tumor localization and therapy, Clin.Cancer Res., 2003, Vol.9, pages 3886S to 3896S	1-14
E,X	WO 04/033499 A1 (Chugai Pharmaceutical Co., Ltd.), 22 April, 2004 (22.04.04), Full text (Family: none)	1-14